

CERTIFICATE OF ANALYSIS

SM1461 NoLimits™ 600bp DNA Fragment

Packaging Lot: 2901882

Expiry Date: 31.01.2028 (DD.MM.YYYY)

Storage: at -20±5°C

Filling lots for components in package:

Lot	Quantity	Description
2895987	10 µg	NoLimits™ 600bp DNA Fragment

QUALITY CONTROL

Parameter	Method	Requirement	Result
Appearance	Visual inspection.	Clear colorless solution	Conforms
Concentration	Spectrophotometrical measurement of absorption at 260 nm.	0.500 µg/µL ± 4%	Conforms
A ₂₆₀ /A ₂₈₀	Spectrophotometrical measurement.	1.80 – 2.00	Conforms
A ₂₆₀ /A ₂₃₀	Spectrophotometrical measurement.	> 2.00	Conforms
Identity	0.5 µg of the DNA fragment is analyzed by agarose gel electrophoresis in parallel with the same DNA fragment from a previous bulk lot.	1 specific DNA fragment is visible and corresponds to that from the previous bulk lot	Conforms
Purity	0.005 µg of the fragment is analyzed by capillary electrophoresis on Agilent 2100 Bioanalyzer.	1 unique sharp peak is detected, with no additional peaks. Purity according to Bioanalyzer: 100%	Conforms
Deoxyribonucleases	Incubation of DNA Fragment at elevated temperature (37 °C) and analysis on agarose gel.	No changes in band intensity, no smearing is observed after incubation	Conforms

ISO CERTIFICATION

Manufactured by Thermo Fisher Scientific Baltics UAB, in compliance with ISO 9001 and ISO 13485 certified quality management system.

Quality authorized by QC: **J. Žilinskienė**

